

CLAIMS:

1. A self contained pond heater, said pond heater having a heater assembly, said heater assembly being water tight;
said heater assembly comprising a fire box, a gas fired burner in
5 said fire box;
said heater assembly further including an intake manifold secured to said fire box for introducing air at said burner, said intake manifold comprising an elongated tube;
an exhaust stack, said exhaust stack attached to said fire box to
10 remove exhaust gases therefrom, said exhaust stack comprising an elongated tube;
said casing circumscribing said heater assembly;
a fuel supply secured to said casing, and a fuel line connecting
said burner to said fuel supply to supply fuel to said burner;
15 said pond heater being secured in a body of water, partially submerged therein so as to heat the water in the immediate vicinity thereof to inhibit the formation of ice on said pond.

2. The pond heater of Claim 1, wherein said intake manifold and
said exhaust stack are open at a position above and remote from said fire
box.

3. The pond heater of Claim 1, wherein said intake manifold and
5 said exhaust stack are entirely within said casing, and said casing being
provided with louvers adjacent each said intake manifold and said exhaust
stack.

4. The pond heater of Claim 1, wherein said intake manifold and
said exhaust stack, respectively, terminate in tips, said tips being angled to
face one another in said casing.

5. The pond heater of Claim 1, wherein said casing is provided
with apertures, said apertures being so positioned as to be below the water
line when said pond heater is partially submerged, to thereby allow water
from the pond to come into contact with said firebox.

6. The pond heater of Claim 1, wherein access is provided in
said casing for lighting said burner without removing said heater assembly
from said casing.

7. The pond heater of Claim 3, said casing having deflectors
5 secured thereto, said deflectors being disposed about said louvers to inhibit
wind gusts from disrupting operation of said heater assembly.

8. The pond heater of Claim 4, wherein said tips at the terminus
of said intake manifold and said exhaust stack are at right angles and facing
one another.

9. The pond heater of Claim 8, wherein a baffle is provided
5 between said tips to thereby inhibit exhaust gases from entering said intake
manifold.

10. The pond heater of Claim 2, wherein said intake manifold and said exhaust stack are entirely within said casing, and said casing being provided with louvers adjacent each said intake manifold and said exhaust stack.

5 11. The pond heater of Claim 2, wherein said casing is provided with apertures, said apertures being so positioned as to be below the water line when said pond heater is partially submerged, to thereby allow water from the pond to come into contact with said fire box.

12. The pond heater of Claim 5, wherein access is provided in said casing for lighting said burner without removing said heater assembly from said casing.